

PTxP-5500

Extreme Performance – Long Range Wireless Extension

Strix Systems Access/One® Network PTxP-5500 equipment, powered by Strix Edge™ and MIMO techniques is our highest performance Edge wireless network extensions for the longest reach of an outdoor wireless network. The PTxP-5500 is enabling the longest reach compared to any other Wireless devices.

Optimal Throughput for Voice, Video and Data Applications

Strix PTxP-5500 is an ideal solution for long range network extension. It is highly optimized and configurable solution to tune several parameters to suit the most demanding situations. It supports a broad range of voice, video and data applications delivering the highest performance. The PTxP-5500 is an ideal choice for any communications network worldwide.

Easy Manageability

Strix PTxP-5500 supports centralized provisioning and easy remote manageability via CLI, HTTP and SNMP. The device also supports remote firmware updates and includes a number of monitoring, trending and troubleshooting from a centralized NOC. The Strix PTxP-5500 allows dynamic channel assignment, automatic power control and data rate selection for greatest RF spectrum efficiency, supports event logging and statistics, Layer-2 and Layer-3 NAT monitors, client monitor, rogue device detection and reports signal strength history.



PTxP 5543



PTxP 5542



PTxP 5522

Technical Specifications

Features & Applications

- ✗ Concurrent dual band Support (5GHz and 2.4GHz)
- ✗ Flexible Radio configuration
 - ✗ Dedicated Radios for Tx and Rx¹
 - ✗ Dedicated Radios for BH and Client
- ✗ 1300 + 300 Mbps WLAN RF capacity
- ✗ Bridge Mode
- ✗ WDS/L2-NAT
- ✗ 16 BSSIDs for Client Access
- ✗ External Antenna Provision
- ✗ Configurable Distance
- ✗ Long distance Point to Point wireless links

Security & Encryption

- ✗ 802.11i Security: WPA-PSK, WPA2-PSK
- ✗ AES and TKIP encryption
- ✗ WPA2 Enterprise¹
- ✗ Wired Equivalent Privacy (WEP)
- ✗ MAC Address Access Control Lists
- ✗ Client Isolation

Remote and Local Management

- ✗ HTTP, HTTPS, Telnet, SSH, SNMP, FTP
- ✗ Multiple User access Profiles
- ✗ Centralized Management and Monitoring
- ✗ Bandwidth Provisioning¹

Monitoring/Troubleshooting

- ✗ Clients, Wireless Neighbor monitor
- ✗ Event Logging and Statistics
- ✗ Layer 2 NAT Monitor
- ✗ Signal Strength Indicator

Wireless Specifications

- ✗ Wireless Standards – G/A/N/AC/J/4.9
- ✗ Frequency Bands²:
 - 802.11G/N
 - ✗ 2.4 - 2.462 GHz (Americas, FCC)
 - ✗ 2.4 - 2.472 GHz (Europe, ETSI)
 - ✗ 2.4 - 2.497 GHz (Japan, MKK)
 - 802.11A/N/AC
 - ✗ 5.15 - 5.25 GHz
 - ✗ 5.25 - 5.35 GHz
 - ✗ 5.470 - 5.725 GHz
 - ✗ 5.725 - 5.850 GHz
 - 802.11A/J/4.9²
 - ✗ 4.94 - 4.99 GHz (USA)
 - ✗ 4.92 - 5.08 GHz (Japan)
- ✗ Receiver Sensitivity Rates
 - ✗ 802.11a/g/n HT20: -74 dBm @MCS7
 - ✗ 802.11a/g/n HT40: -72 dBm @MCS7
 - ✗ 802.11a/g: -78 dBm @ 54 Mbps
 - ✗ 802.11a/j/n/ac HT20: -70 dBm @MCS8
 - ✗ 802.11a/n/ac HT40: -64 dBm @MCS9
 - ✗ 802.11a/n/ac HT80: -61 dBm @MCS9
 - ✗ 802.11a/j: -78 dBm @54Mbps
- ✗ Transmit Power
 - ✗ Up to 26 dBm² (802.11/G/N)
 - ✗ Up to 25 dBm² (802.11A/J/4.9/N/AC)
- ✗ Modulations
 - ✗ 802.11a/g: 16-QAM, QPSK, BPSK
 - ✗ 802.11b: CCK, DQPSK, DBPSK
 - ✗ 802.11n: 16-QAM, 64-QAM, QPSK, BPSK
 - ✗ 802.11ac: 16-QAM, 64-QAM, 256-QAM, QPSK, BPSK
- ✗ Supported Channel Widths^{1, 2}
 - ✗ 5, 10, 20, 40, and 80 MHz

Electrical

- ✗ Power Over Ethernet, 802.3af or Passive POE 12-50VDC
- ✗ Power : 18W (Typical Power : 12W)
- ✗ Power: AC Input, Autosensing 110-240 VAC

Physical

- ✗ Dimension: 7.25"H x 8.25"W x 2.25"D²
- ✗ Weight: 1.08Kg²
- ✗ Weather Rating: IP67 weather tight
- ✗ Pole Mount
- ✗ Operating Temperature: -40°C to 55°C²
- ✗ Storage Temperature: -40°C to 80°C²
- ✗ Humidity: 95% Non-condensing

Warranty

- ✗ 13 Months Hardware, Software and Technical Support

Interfaces and Ports

- ✗ 2 x 10/100/1000Mbps Ethernet port²
- ✗ External N-connectors

¹Available Future Software Upgrade

²Varies by Country and/or Model